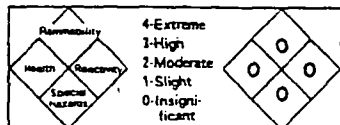


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NFPA FIRE HAZARD SYMBOL
See NFPA 704 for detailed explanation.

MATERIAL SAFETY DATA SHEET

No.: 4461 Rev. No.: 2
Date Revised: 02/24/86

Manville

I. PRODUCT IDENTIFICATION

Trade Name(s): ~~MAR-NUTREX~~
Generic Name: ~~CALCIUM SILICATE BOARD~~
Chemical Name:

CAS #: NA
Formula: MIXTURE

Manufacturer: MANVILLE BUILDING MATERIALS CORP.
Address: P.O. BOX 5108
City: DENVER

State: CO Zip: 80217

Telephone: (303)978-3120
Emergency:

II. PRODUCT INGREDIENTS

INGREDIENT NAME	CAS NUMBER	%	PEL and TLV (except as noted)
CALCIUM SILICATE	1344-95-2	45	5 mg/M ³ - NUISANCE
CALCIUM SILICATE REINFORCING FILLER		50	RESPIRABLE DUST
NATURAL ORGANIC FIBER	65996-61-4	5	
PIGMENTS	NA		

III. PHYSICAL DATA

Appearance and Odor: GRAY BOARD - NO ODOR

Boiling Point: NA
Vapor Pressure: NA
Water Solubility (%): NIL
Vapor Density (Air=1): NA

Evaporation Rate (= 1): NA
Specific Gravity (water = 1): 0.7
Melting Point: NA
% Volatile by Volume: 0

IV. FIRE AND EXPLOSION DATA

Flash Point (Method): NONFLAMMABLE
Flammable Limits: LEL: NA % UEL: NA %
Extinguishing Media: NA
Unusual Fire or Explosion Hazards: NONE

NFPA Flammable/Combustible Liquid Classification: NA
Auto-Ignition Temperature: NA

Special Fire-Fighting Procedures: NONE

V. HEALTH HAZARDS A. Summary/Risks

Summary: DUST CREATED DURING FABRICATION, INSTALLATION OR DEMOLITION IS CONSIDERED A NUISANCE DUST.
NO KNOWN ACUTE OR CHRONIC HEALTH HAZARDS.

THIS PRODUCT IS NOT CONSIDERED A CARCINOGEN.

Medical conditions which may be aggravated: PRE-EXISTING UPPER RESPIRATORY AND LUNG DISEASE SUCH AS, BUT NOT LIMITED TO BRONCHITIS, EMPHYSEMA AND ASTHMA.

Target Organ(s): EYES AND RESPIRATORY SYSTEM.

Acute Health Effects: NO KNOWN ACUTE HEALTH HAZARDS.

Chronic Health Effects: NO KNOWN CHRONIC HEALTH HAZARDS.

Primary Entry Route(s): INHALATION.

USEPA SF



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V. HEALTH HAZARDS B. Signs/Symptoms of Overexposure

Inhalation: EXCESSIVE EXPOSURES TO PRODUCT DUST MAY CAUSE UPPER RESPIRATORY IRRITATION.

Skin Contact: NONE

Skin Absorption: NONE

Ingestion: NONE

Eyes: TRANSIENT MECHANICAL IRRITANT.

V. HEALTH HAZARDS C. First Aid/Emergency Procedures

Inhalation: REMOVE TO FRESH AIR.

Skin Contact: NA

Skin Absorption: NA

Ingestion: NA

Eyes: FLUSH WITH COPIOUS QUANTITIES OF WATER.

VI. REACTIVITY DATA

MATERIAL IS STABLE.

HAZARDOUS POLYMERIZATION CANNOT OCCUR.

Chemical Incompatibilities: STRONG ACIDS.

Conditions to Avoid: NONE IN DESIGNED USE.

Hazardous Decomposition Products: NONE

VII. SPILL OR LEAK PROCEDURES

Procedures for Spill/Leak: VACUUM DUST CREATED DURING FABRICATION. IF SWEEPING IS NECESSARY USE A DUST SUPPRESSANT.

Waste Management: WASTES GENERATED DURING APPLICATION, DEMOLITION, BREAKAGE OR SPILLAGE ARE NOT HAZARDOUS WASTES AS DEFINED BY RCRA (40 CFR PART 261). COMPLY WITH FEDERAL, STATE AND LOCAL REGULATIONS. METHOD OF DISPOSAL - LANDFILL. RQ - NA.

VIII. SPECIAL PROTECTION INFORMATION

Goggles: GOGGLES OR FACE SHIELD SHOULD BE USED DURING CUTTING, MILLING OR ABRADING.

Gloves: NOT NORMALLY REQUIRED.

Respirator: USE A MASK SUCH AS 3M 8710 OR EQUIVALENT FOR PROTECTION AGAINST NUISANCE DUST. INSURE PROPER FIT.

Ventilation: USE SUFFICIENT NATURAL OR MECHANICAL VENTILATION TO MAINTAIN DUST CONCENTRATIONS BELOW PEL (TLV).

Other: MAINTAIN GOOD HOUSEKEEPING PRACTICES TO INSURE MINIMUM DUST LEVELS.

Special Considerations for repair/maintenance of contaminated equipment: USE RESPIRATORY PROTECTION IF IT IS NECESSARY TO CUT OR ABRASE MATERIAL.

IX. SPECIAL PRECAUTIONS

Storage Segregation Hazard Classes: NA

*** ALWAYS SEGREGATE MATERIALS BY MAJOR HAZARD CLASS ***

Special Handling/Storage: KEEP MATERIAL DRY.

Special Workplace Engineering Controls: NOT NORMALLY REQUIRED.

Other:

Prepared/Revised by: KENNETH A. ROBERTS

Title: MGR., ENVIRONMENTAL SERVICES

As of the date of preparation of this document, the foregoing information is believed to be accurate and is provided in good faith to comply with applicable federal and state law(s). However, no warranty or representation with respect to such information is intended or given.